"APPLICATION ENGINEERED"

FOUR-FOLD DOOR UNITS
CRANE RAIL DOORS
HANGAR DOORS
HOSPITAL DOOR UNITS
COMPUTER ROOM OPERATORS
GATE OPERATORS
PEDESTRIAN DOOR OPERATORS
REFRIGERATOR DOOR OPERATORS
SLIDING FIRE DOOR OPERATORS
OVERHEAD DOOR OPERATORS

Electric Doorman®

SINCE 1923

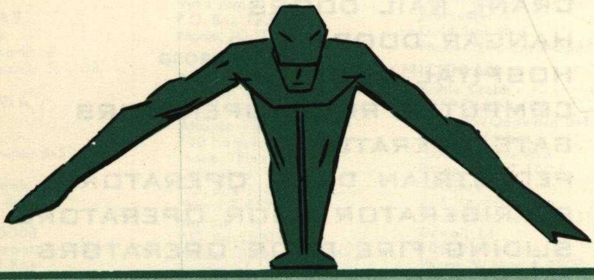
SPECIALISTS IN

POWERING
ALL TYPES OF
INDUSTRIAL
AND
COMMERCIAL
DOORS

ELECTRIC POWER DOOR CO., INC. MINNEAPOLIS 7, MINNESOTA

CATALOG NO. 2000-60

A. I. A. 16D



ELECTRIC DOORMAN serving industry, commerce, and government whenever doors must be opened and closed.

COMPANY BACKGROUND

The Electric Power Door Co., Inc., is one of the oldest firms in the country devoted entirely to the manufacture of Doors, Hardware, and Electric operators. We have served all types of industry, both large and small from coast to coast on their door problems. We welcome door problems of a special nature as well as regular everyday situations.

ENGINEERING SERVICE

Over thirty years experience gives Electric Power Door Co., Inc., the "know how" to offer special advice on any phase of power door installation for supermarkets, hospitals, factories, garages, or public buildings.

ELECTRIC DOORMAN doors, hardware and operators are designed to complement each other, offering the owner complete one-package units which simplify specification and installation and guarantee one-source service. Since each door presents a slightly different problem we recommend that you utilize this service.

NOTE: Standard drawings furnished upon request.

SPECIAL FEATURES AND ADVANTAGES

Fast Open and Close Action: Permits three to four second open and close operation under all types of weather conditions.

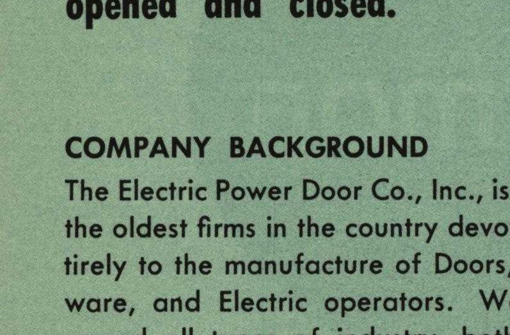
18 to 25 years longer life: ELECTRIC DOORMAN doors, hardware and operators give you up to 18 to 25 more years of service. Maintenance is less than any other unit manufactured.

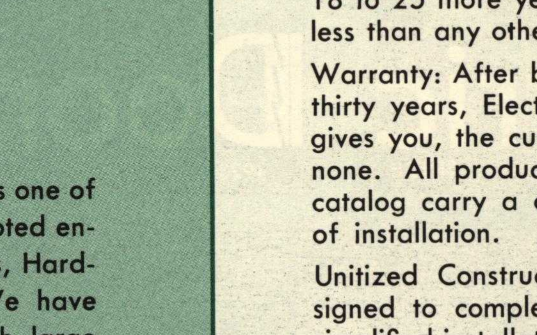
Warranty: After being in business for more than thirty years, Electric Power Door Company, Inc. gives you, the customer, a guarantee second to none. All products listed and illustrated in this catalog carry a one year guarantee from date of installation.

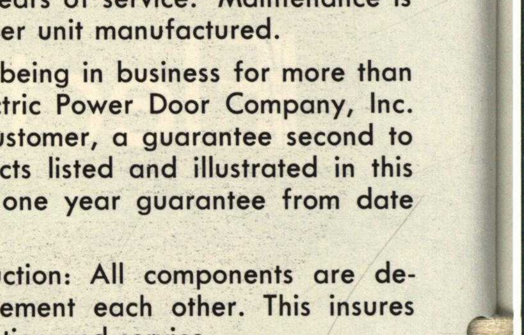
Unitized Construction: All components are designed to complement each other. This insures simplified installation and service.

Recognition: For more than 30 years, leading architects and contractors have recognized ELECTRIC DOORMAN products as the most reliable door systems available.

SPECIFY ELECTRIC DOORMAN SIMPLY AND WITH COMPLETE CONFIDENCE. ALL SIZES AND APPLICATIONS. WRITE OR CALL COLLECT FOR COMPLETE SPECIFICATIONS FOR YOUR SPECIAL DOOR PROBLEM.







A GUIDE TO ELECTRIC DOORMAN UNITS AND THEIR USE

	APPLICATIONS	DESCRIPTION	PAGE
Four Fold	Factories, warehouses, fire stations.	Unitized Door Design Sections, hardware and operator.	4
Crane Rail	Warehouses, rail terminals, rail shipping and receiving.	Vertical lift sections coordinated with sliding door units.	7
Hangar Doors	Commercial, private and Government type applications.	Tip up and sliding type, manual or power operation.	11
Hospital and Computer Room Doors	Operating room doors, recovery areas, X-ray rooms, computer room entrances.	Fast, quiet dependable operation utilizing little space.	12
Gate	Industrial, commercial and private estate, wherever privacy and convenience is desired.	Swing or sliding gate operators.	13
Pedestrian Door	Supermarkets, drug, and department stores, hospital corridors.	Self-contained, all electric door operator.	14
Sliding Fire Door	Factories, warehouses, office buildings and storage areas.	Operators and hardware does not interfere with fusible links.	14
Refrigerator Doors	Food handling areas and freezing compartments.	Crane rail type openings, sliding refrigerator doors and dual lapped doors.	15
Controls	All units.	Radio, pull cord, electric eye equipment, 1 and 3 button control stations.	15

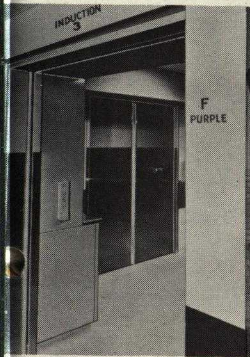
Sales and service in principal cities throughout the United States. If not, call or write factory, collect.

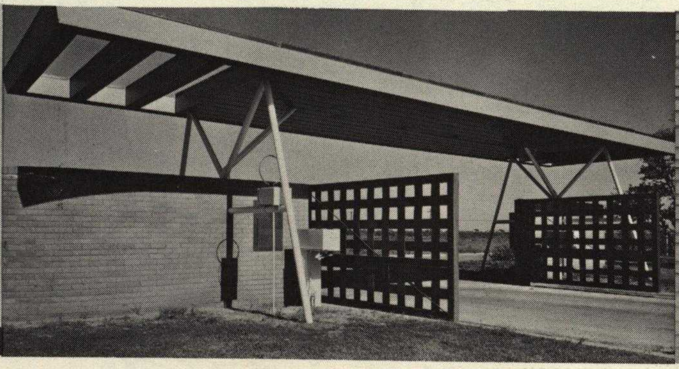
THESE ARE SOME OF THE PEOPLE ELECTRIC DOORMAN SERVES

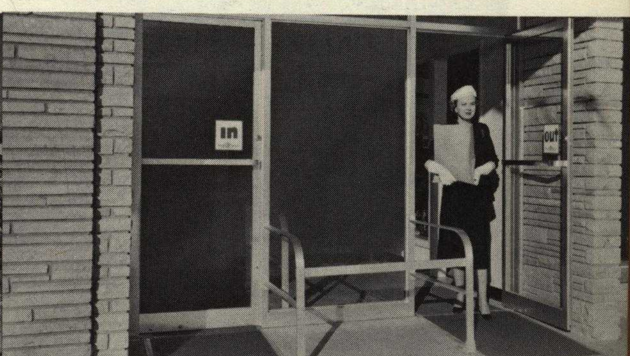
Boeing Aircraft
Pillsbury Mills
Twin City Rapid Transit
Loop Parking Garages
Highway Dept. of Minnesota
Northern Pacific R.R.
Northern States Power Co.
Northwestern Bell Telephone Co.
Northwest Airlines
Milwaukee R.R.
Methodist Hospital
Shell Oil Co.
DuPont & Co. D.N.
Great Northern R.R.
Minn. Mutual Insurance
St. Paul Fire & Marine

Red Owl
Super Valu
A&P
Safeway
Hoves
Fairway
Penn Fruit
Daitsch Shopwell
Mayo Memorial Hospital
Ford Motor Co.
General Motors Corp.
Minn. Mining & Mfg. Co.
Proctor & Gamble
Lockheed Aircraft
General Mills
Cargill, Inc.
Phillips Petroleum

Greater Winnipeg Transit Co.
Waldorf Paper Co.
Green Giant Corp.
Texas Co.
Hamm's Brewing Co.
Metallurgical Control
Chicago Sun Times
Trane Company
Hughes Tool Co.
Martin Co. (Aircraft)
Camiskey Ball Park
Chicago Art Institute
Western Electric
Dormeyer
B. F. Goodrich
Seaboard Airline R.R.
International Business Machines







FOUR FOLD DOOR UNITS

DOORS • HARDWARE • OPERATOR

GENERAL DESCRIPTION

Four Fold doors are application engineered by the Electric Power Door Company, Inc. to assure the ultimate in door design and operation. Each door is so designed to give the customer a unit which is capable of smooth positive operation for many years, even under the most adverse conditions. The four fold door is available in all standard sizes as well as special made to order applications. All units are available for either manual or power operation.

DOOR SECTIONS

Door sections can be manufactured from wood, metal covered wood, steel or hollow metal.

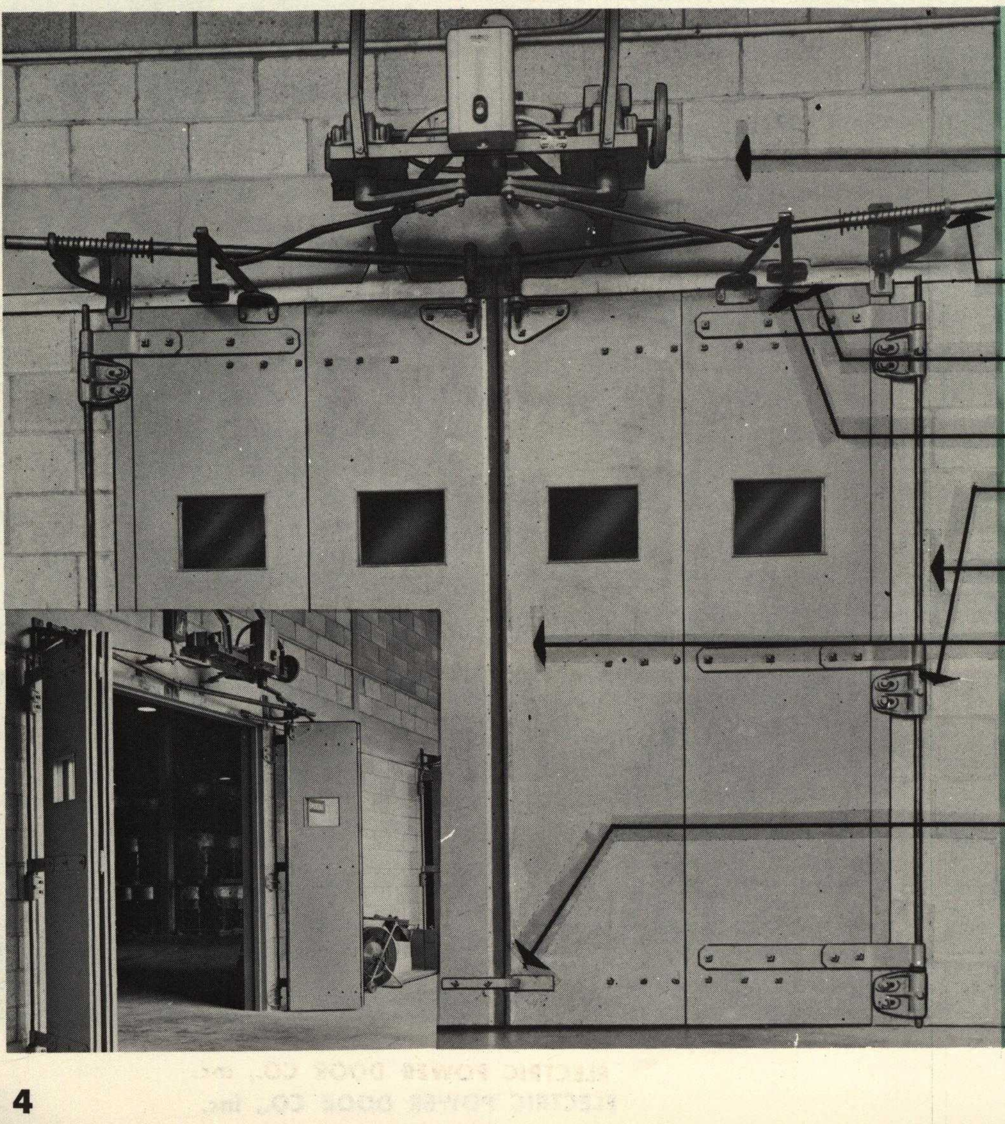
1. Wood Doors: All wood doors can be obtained in either flush or panel type construction and shall be warp resistant if desired.
2. Metal Covered Wood Doors: Metal covered wood doors can be manufactured to customer's specifications with any type or gauge of facing.
3. Steel Sections: Steel sections can be channel or tubular type construction, using any type or kind of steel.
4. Hollow Metal Doors: Hollow metal door sections can be manufactured to customer's specifications and needs; this type of section construction can be sound deadened if desired.

HARDWARE

Four Fold doors are entirely side mounted with custom made hardware. Doors swing freely on hinges equipped with Timken roller bearings which in turn are fastened to continuous cold rolled steel pintle shafts. Upper track is non-binding and serves as a guide for the center sections and is instrumental in resisting windloads up to
Fold hinges are extra long and non-sag and thru-bolted to standing hinges. Hardware also includes center astragal and floor drags with metal binding, center guide arms or floor plates and offset standing hinges which allow for clear opening from jamb to jamb.

OPERATOR

ELECTRIC DOORMAN operators are a unit which draws from thirty-five years of on-the-job experience. Its unique dual gear box design and quality permits long life and effortless operation. During the opening and closing cycle operator smoothly starts and stops with no jerking or racking. (Unit is instantly reversible and door is automatically locked, when in closed position.)



FEATURES

DUAL GEAR BOX OPERATOR WITH SELF-LOCKING GEAR AND WORMS

ROUND NON-BINDING CENTER LEAF TRACKS

LAZY ARM OPERATING LINKAGE

EMERGENCY RELEASE

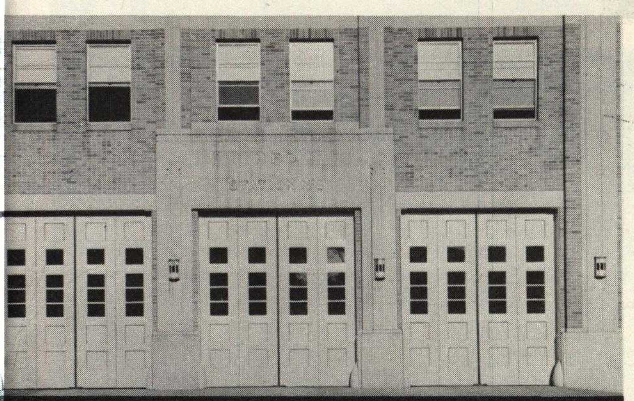
HINGES WITH TIMKEN ROLLER BEARINGS

CONTINUOUS STEEL PINTLE SUPPORTS

RUBBER ASTRAGAL AND FLOOR DRAGS

GUIDE ARMS PROVIDE CLEAR FLOOR FOR FORK LIFT TRUCK TRAFFIC

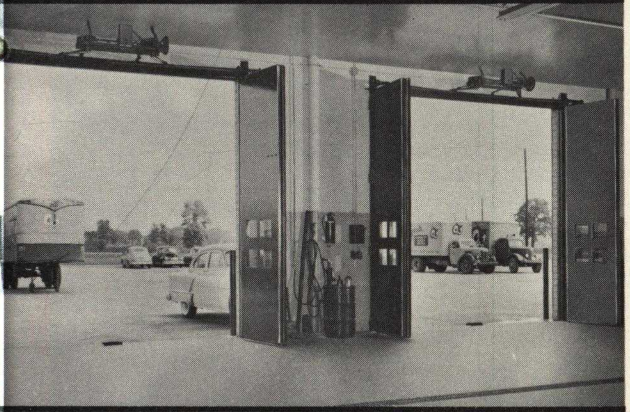
FLOOR PLATES (ALSO AVAILABLE)



One of 45 fire stations, Minneapolis, Minnesota

FIRE STATION DOORS

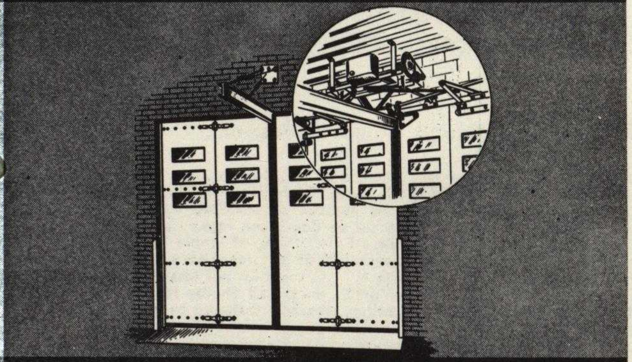
Used on fire stations in New York, Albany, Buffalo, Chicago, Minneapolis, and others for over 25 years. Doors will open in 3 to 4 seconds and are practically wear proof. Average maintenance costs run less than 60 cents per door per year. Doors can be equipped with time delays, safety edges and are instantly reversible. In cases of power failure, doors can be manually operated.



Red Owl Warehouse, Green Bay, Wisconsin

WAREHOUSE TRUCK DOORS

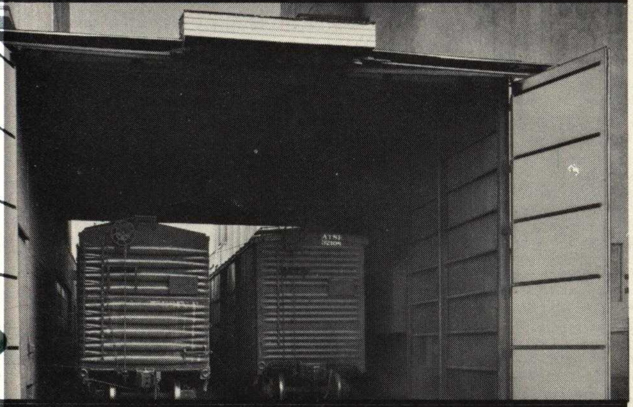
Fast open and close operation retains heat in cold weather and permits more efficient handling of traffic. Available with a variety of controls such as heavy duty pull cords, all weather ground trips, electric eye equipment or push button. This type of door will give a minimum of 20 years service.



Power Equipment Building, St. Paul, Minnesota

MONORAIL DOORS

Crane rails present no difficulty for ELECTRIC DOORMAN Four Fold doors. Doors can either be manual or power operated. This is a standard unit and performs with the same efficiency of all other four fold doors.



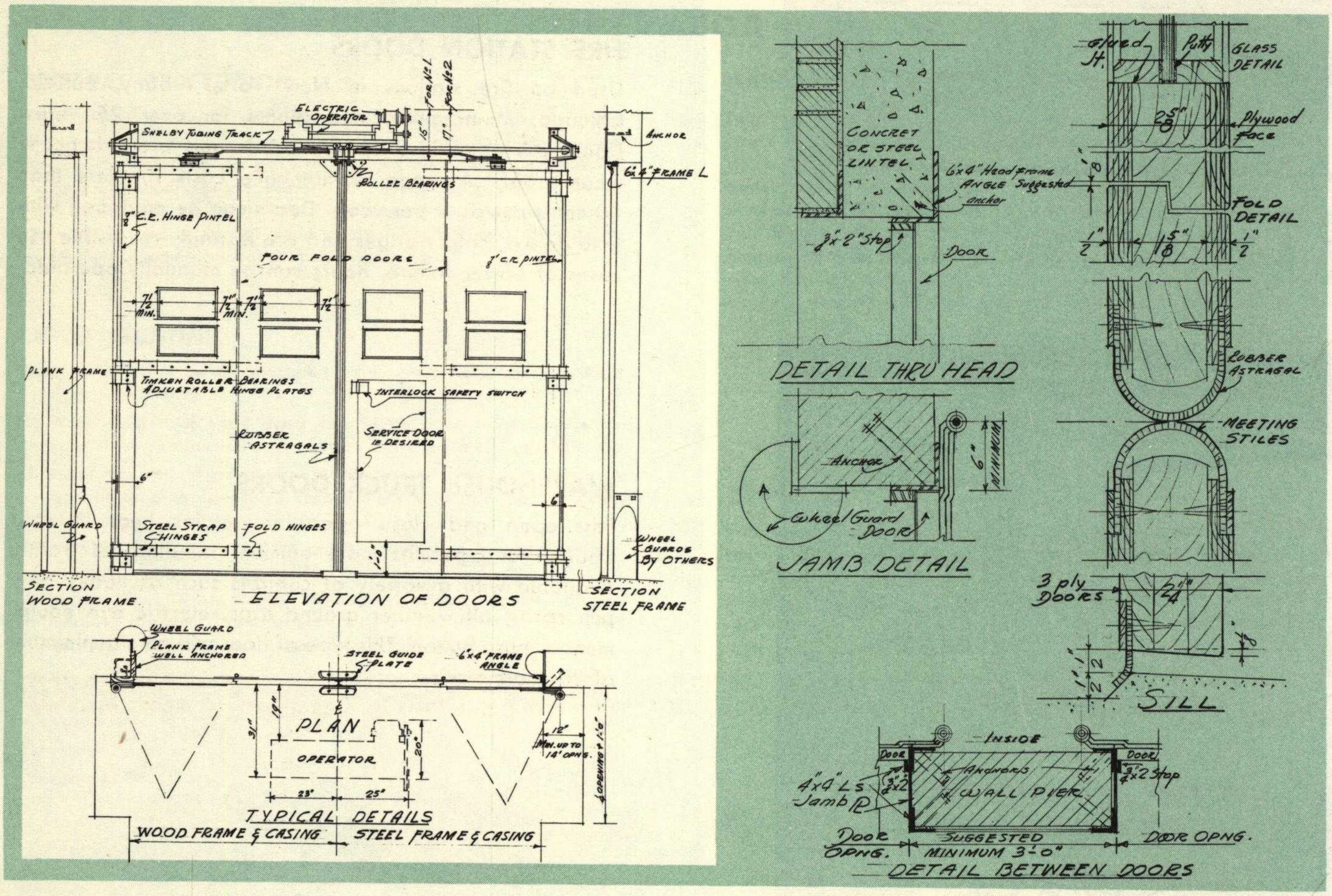
Double Rail Entry—Red Owl Warehouse, Green Bay, Wisconsin

RAILROAD ENTRANCE DOORS

Where large clear openings are required, ELECTRIC DOORMAN four fold doors are the answer. Doors can be engineered to open in or out, depending upon the circumstances. Doors are unaffected by snow or adverse weather conditions and can withstand wind pressures up to 30 PSF. ELECTRIC DOORMAN four fold doors are insulated and weather tight. Doors can be operated either manually or electrically and each half can be operated independently of the other.

NOTE: Check local and state codes for width and height requirements.

FOUR FOLD DOOR UNITS



SPECIFICATIONS: All Types of Doors—Warehouse, Garages, Fire Stations, Round House, Mines, etc.

Furnish and install ELECTRIC DOORMAN Four-Fold Doors, Hardware, Operators of proper size for opening.......................Wide.......................High.......................thick using all ELECTRIC DOORMAN materials. Manufacturer to certify UNIFIED design for specific use. Doors Model.......................Hardware Model.......................Operator Model.......................Voltage.......................Phase.......................Controls Model.......................
See selection chart page 4.
of the size and quality recommended by the manufacturer. Doors, Hardware, and Operators to be complete in operating order, except for wiring conduit to controls and motors. ELECTRIC DOORMAN units to be started and adjusted after wiring by Electrician following approved wiring diagram. Local distributor must install and service door equipment when requested.

DOORS—ELECTRIC DOORMAN. Model 8 doors shall be warp proof panel doors of tongue and groove, nailed, wood strips on 4" centers, kiln dried and free of imperfection. Model 38 metal covered flush door (wood core) covered with 26 gage steel, thickness as required. Model 18 tongue and grooved, flush wood door same as Model 8 except doors have steel frame to which all supporting hardware is attached. Model 28 (standard) wood flush core door using plank frame covered on both sides with Douglas fir plywood, marine glued and blind nailed to mortised and tennoned frame. Model 16 (standard) three-ply panel door with stiles and rails, 7½" wide including glass stop, minimum bottom rail 12", top rail 8". Model 46 formed channel door covered with corrugated or flat steel one side only. Model 48 formed 18 gage flush one side, stile and rail other side. For hangar doors Model 99. NOTE: All doors shall consist of four leaves as shown on drawings, rabbetted at the folds, shaped and fitted for rubber astragal at the centers and rubber drags on bottoms. Note: One, two, or three leaf doors may be furnished for special use.
Wood door sections, if desired may be immersed for 3 minutes in NWMA solution wood life repellent per government specifications TT-W572. Wood or metal doors may be factory primed if desired with a coat of chromite or white lead. All doors shall be warp proof and not require external bracing. Door thickness provided to depend on size of opening for use as recommended by manufacturer.

PASS DOORS: Note; Use of pass door when desired is recommended since it does not weaken doors. Provide pass door in one center leaf, safety inter-lock switch to prevent injury to pedestrian by cutting off power supply to operator while door is open. Pass door is hinged on right hand side (inside view) has a spring close mechanism swings to outside of building, with cylinder lock master keyed, if desired.

HARDWARE—ELECTRIC DOORMAN. Hardware must be as recommendd for door size required to permit easy manual movement of doors in emergency, regardless of size, assuring long life for electric operator, entirely jamb supported using continuous pintle to equalize bearing load on each hinge. Adjustable slotted through hinge plates of steel for tap securing or welding to steel jambs. Hinge plates slide over a ⅞" cold rolled steel pintle. Each standing hinge to be supported on Timken roller bearing. Provide number of standing hinges required by weight of the doors, offset 6 to 10 inches so doors can move out of opening. Steel standing hinges to be 3" to 4" wide x 5/16" thick, of ample length to prevent sagging, through bolted to doors with ½" or ⅜" machine bolts. Standing hinge (5/16") to be lapped and welded to ⅝" thickness for not less than 12" from pivot point of pintle. Provide 1½", 1¾" or 2" thick wall Shelby tubing track or 4" or 5" I-beam with anti-friction track rollers, securely fastened over door frame as guide for center door leaves.

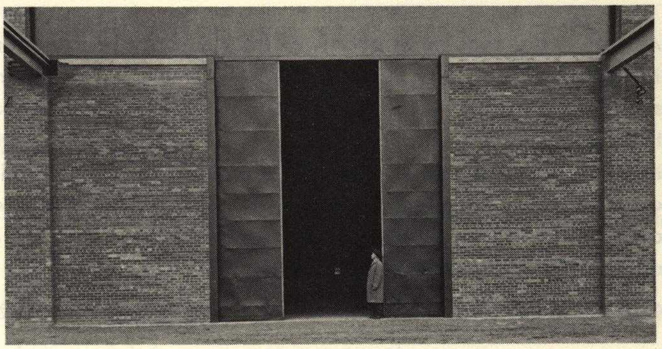
ASTRAGAL—Provide ELECTRIC DOORMAN heavy rubber astragals Model 141 for 1¾" doors, Model 151 for 2¼" doors, Model 161 for 2⅝" or 3" doors as detailed, secured by heavy aluminum bars screwed to doors on 6" spacing. Provide heavy rubber drags, Model 222 at floor line to make door weathertight. Furnish bottom center lock bars at floor line or moulded cast iron guideplates anchor lagged into cement floor. All hardware except Shelby track to be given coat of rust inhibiting aluminum or gray paint.

DOOR FRAMES (by others). Furnish detail to manufacturer of steel door frame and stops prior to fabrication and erection showing drilling and tapping required to support hardware, track and operator.

OPERATOR: Provide ELECTRIC DOORMAN operator Model SP for single phase Model TP for three phase current, instantly reversible, horse power to be of sufficient size to open or close doors against 30 pound per square foot wide pressure without noise or vibration. Operator must start motor with no load to open or close for first ½ second operation, then rapidly open or close, then quiet slow stop which locks doors open or closed. Provide emergency disconnect from floor level in case of power failure. ELECTRIC DOORMAN unit must have instantly reversible ball bearing motor with manual reset overload, adjustable slip clutch, and positively adjusted rotary type limit switch, using two or more Micro-Switches. Heavy-duty latching relay to be used for one button momentary contact, switches Models 1 to 6, two-button constant pressure switches open, close use double wound motors, Model 2 series. Furnish heavy-duty inter-locked magnetic reversing starters for Model 3 three-button switch operation (open, close, stop) or three phase current. Worms and gears to be immersed in all-weather lubricant, sealed in heavy housings. Provide weatherproof cover if doors swing out. Each half of unit to be positively synchronized and powered from same ¾" steel shaft.

NOTE: except for dual operation where each side operates independently, one motor is provided. ELECTRIC DOORMAN operators to be mounted free of the doors above or to side of door opening. SEE OPERATOR AND HARDWARE HEAD ROOM TABLE.

CRANE DOUBLE RAIL DOOR UNITS

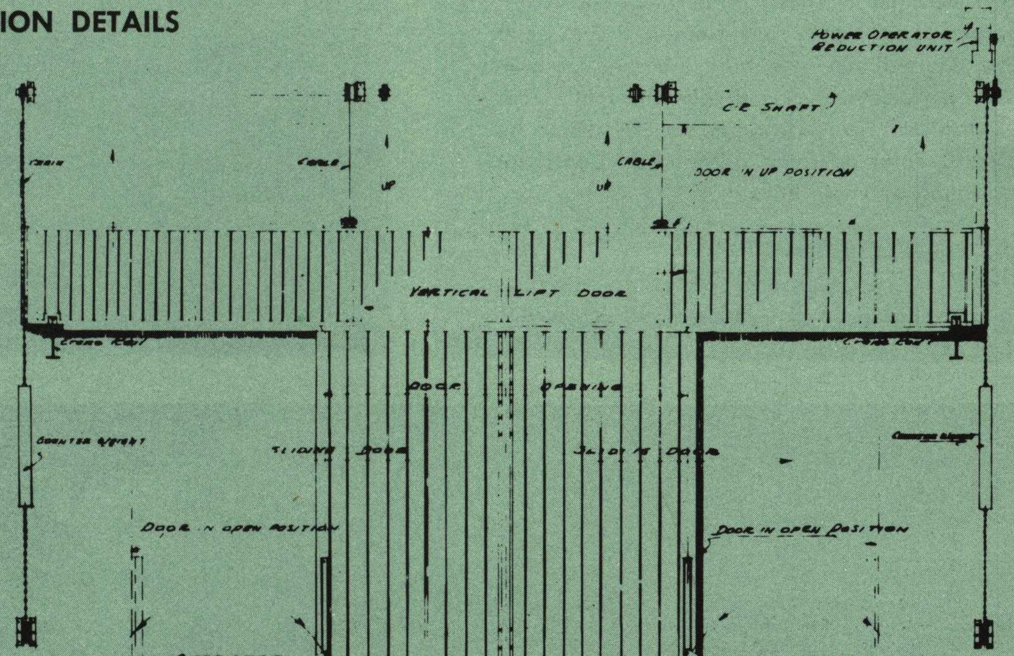


Crane double rail doors as shown above are interlocked and provide a weathertight closure. Unit illustrated consists of a 55′ x 10′ vertical-lift door above and two 10′ x 20′ sliding doors below. Sliding doors cannot open unless doors above are in place. Large crane door can't move unless lower doors have slid to each side. Speed of entire operation is approximately 15 seconds. Vertical-lift door is counter weighted and will withstand 90 miles per hour wind pressure. Doors are entirely of steel and are insulated. All doors can be operated by hand in case of power failure.

SPECIFICATIONS

Furnish and Install ELECTRIC DOORMAN crane double rail doors and sliding access doors below, where shown on plans. Vertical lift doors to be operated by heavy duty gear reducing unit with self-locking gears on 230 or 440 volt, three phase current constant pressure two-button switches on 115 or 230 volts. Size of motors as required. Sliding door units to be cable or chain actuated and must be capable of being manually operated. Provide all doors, weatherseal, hardware and operator to properly perform efficient door operation. Supply frame details and wiring diagrams for contractor and electrician.

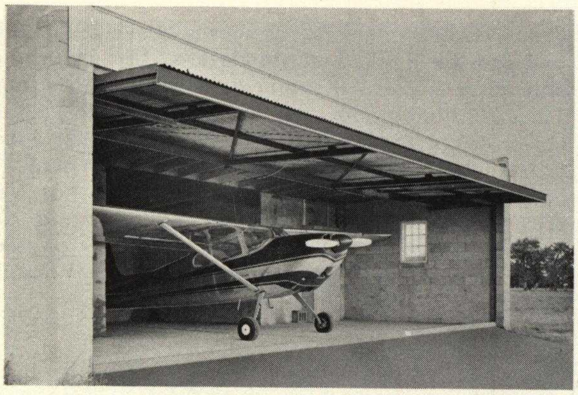
INSTALLATION DETAILS

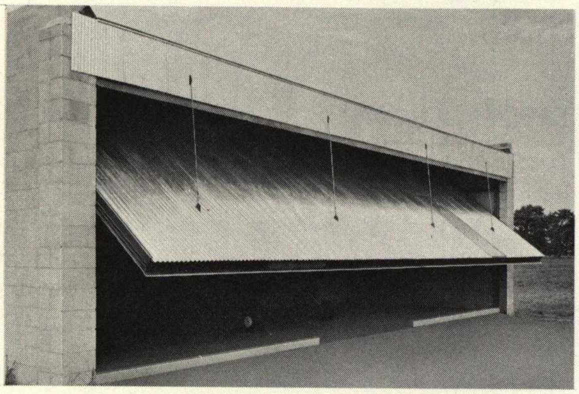


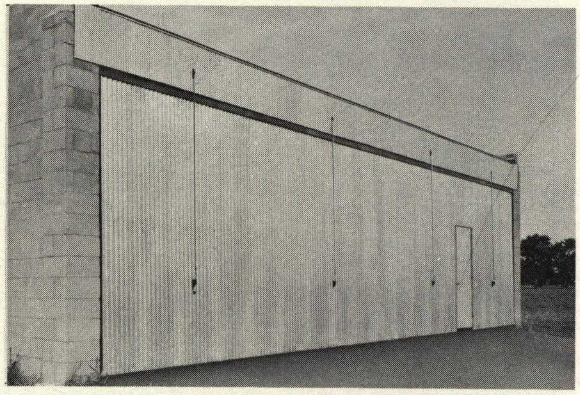
HANGAR DOOR UNITS light and commercial aircraft

At right are sequential photos of one of many hangar doors installed by ELECTRIC POWER DOOR COMPANY.This door is supplied complete with hardware and operator as a unit, thereby assuring owner and architect of smooth, long lasting trouble free operation. Although standard sizes listed below are the most economical, larger sizes and special doors are available. Also available are horizontal multiple leaf sliding doors for large commercial hangars.

Call collect for further information for all types of hangar doors.







SPECIFICATIONS:

GENERAL:

Door shall be of the tip-up, canopy type, lifted by cables and counterweight and guided by jamb and top rollers.

DOOR CONSTRUCTION:

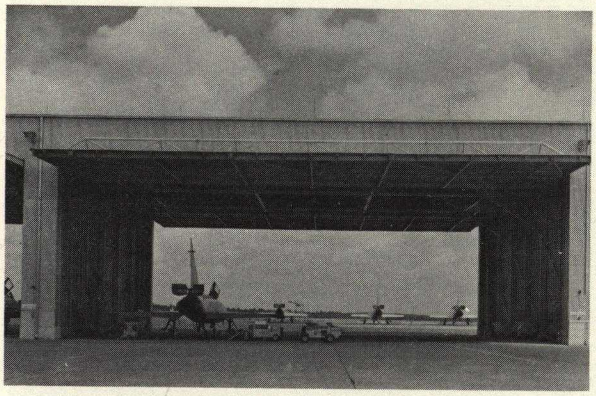
Door framing shall be light structural steel or formed sheet steel completely fabricated for field bolting. When closed, door will safely withstand wind loads of 10 pounds per square foot or more, if required. Facing may be of corrugated steel, aluminum or translucent plastic.

HARDWARE AND DRIVE:

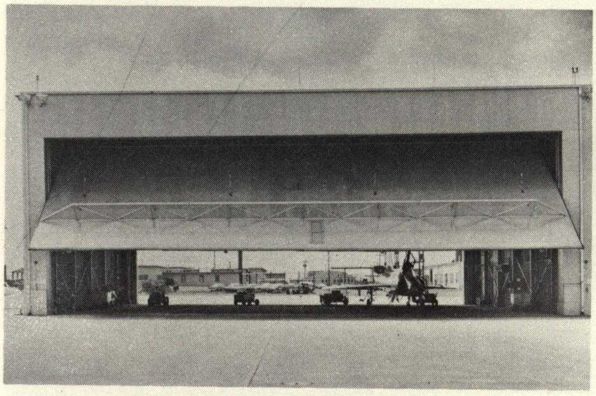
Ball bearing jamb rollers run in tracks at the jamb. Top rollers (two or more as required) are ball or roller bearing type. Cables (three or more as required) run over bronze-bushed or ball-bearing sheaves to the traction drum and counterweight. Door is balanced in all positions. Traction drum may be driven by hand crank or electric motor operator, as desired. Doors are locked in closed position by chain bolts.

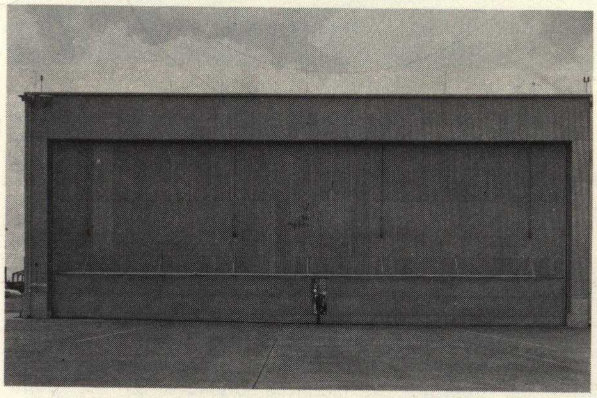
MISCELLANEOUS:

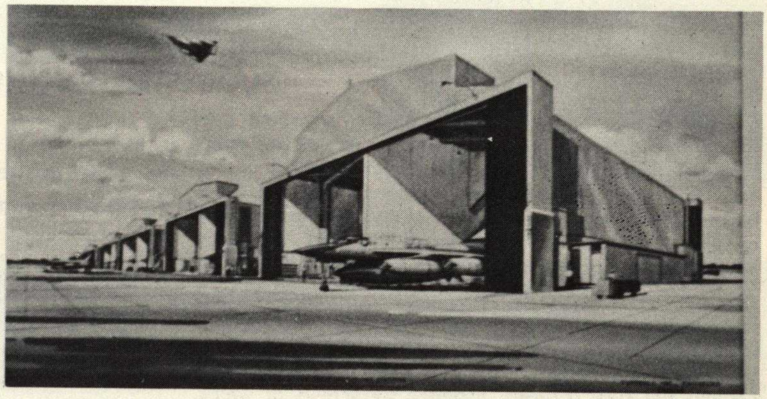
Weatherstripping is available. A pass door may be provided in the main door at extra cost.

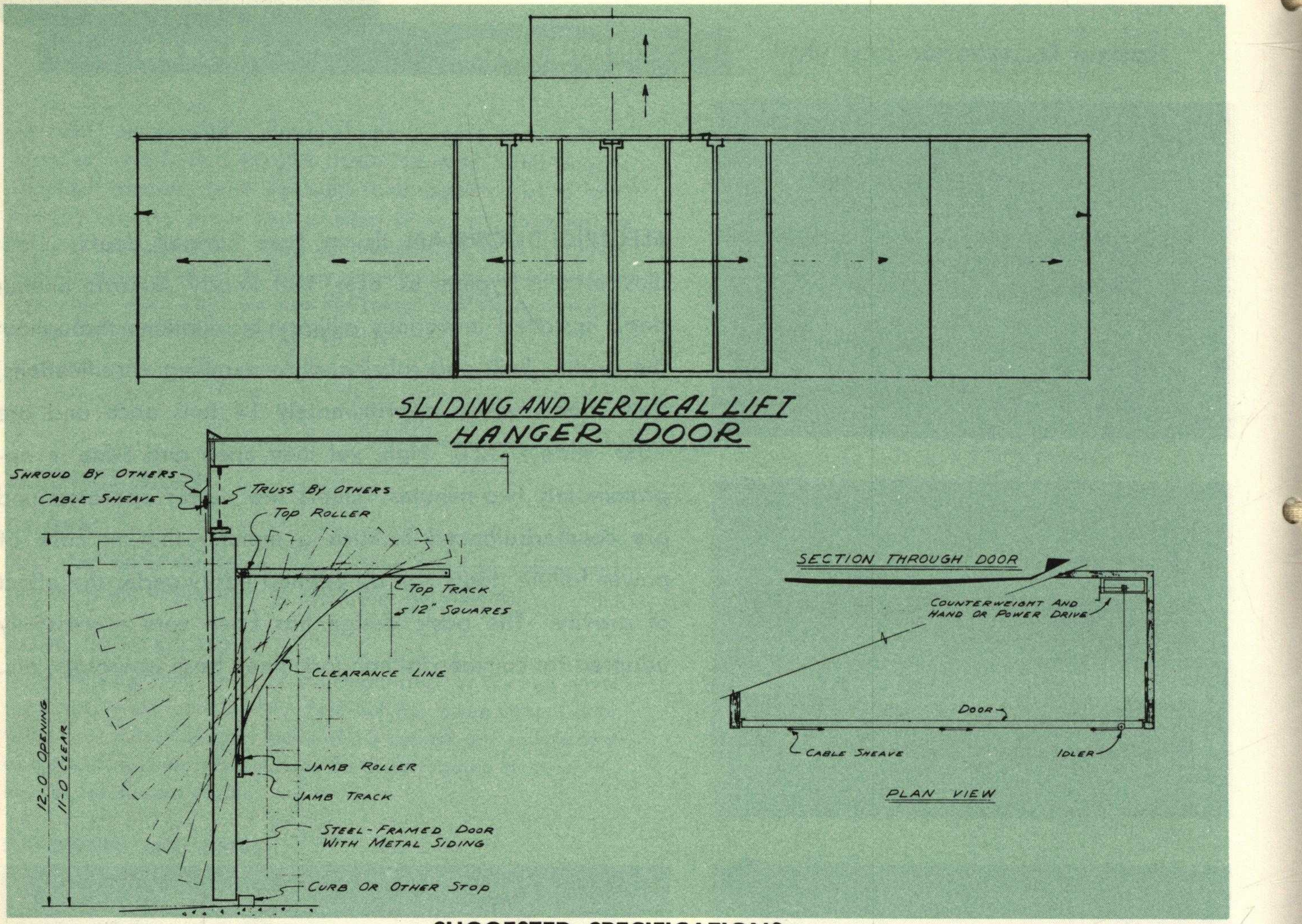


ELECTRIC DOORMAN tip-up type hangar doors. Door illustrated is typical of over 100 Ready Aircraft Shelter doors installed in various military installations throughout the world. Built and fabricated to exacting specifications, these doors weigh approximately 14 tons each and are 96′0″ wide x 32′0″ high, yet they open and close in approximately two minutes. Doors are power operated and are counterbalanced in such a manner that in case of power failure doors can be opened easily under the effect of gravity. The basic design has been very successfully adapted for commercial hangars, fixed base operators, etc.









SUGGESTED SPECIFICATIONS

GENERAL: The doors shall be the sliding or rolling steel type with one power leaf and two idler leaves per opening. The three openings shall be served by three continuous top guides and bottom rails such that the three leaves of one opening may be stored in the adjacent opening. The power leaf will pull the idler leaves by means of pick-up plates.

DOOR CONSTRUCTION: Doors shall be framed of structural steel proportioned to withstand dead load, dynamic loads, and 20 PSF wind load, with maximum deflection of 1/120 of the span. The skin shall be 16 gauge or heavier flat steel (primed) fastened by screws or welds. Insulation shall be installed to the inner surface of the skin and half by sheet metal retainer members. A wainscoting of 22 gauge steel deck shall be installed over the insulation to a height of 8′.

DRIVE: The drive shall consist of motor, worm gear reducer, disconnect and torque-limiting clutch, and chain drive to one wheel. The drive shall be sized adequately to move the power leaf and two idler leaves at rated speed, not to exceed 60 feet per minute. The leaves shall be fitted with pick-up plates which engage the power leaf with the idler leaves without undue shock and stress.

HARDWARE: Bottom rollers shall be 12″ or larger diameter with pressure-lubricated tapered-roller, heavy-duty roller bearings, all sized for the specified loads. Wheels shall be of steel with machined treads and bearing seats. Top rollers shall be steel or cast iron and bushed with oilite bronze and sized for the specified loads. Provision for roof deflection shall be made by selecting the correct guide depth. Bumpers shall be furnished to prevent damage if leaves strike each other or the building. Bar pulls shall be furnished at the leading edge of the power leaves.

CONTROLS: A factory-wired control panel shall be mounted on the interior of the power leaf and shall include magnetic starter, control transformer and necessary relays. A safety edge device shall be provided at the leading edge of the power leaf. An "OPEN-CLOSE" pushbutton shall be provided on the interior side of the leading leaf at the leading edge. It shall be necessary for the operator to maintain pressure on the pushbutton and walk along with the door when moving.

ELECTRICAL: Electrical components shall be provided and mounted by the door contractor. Interconnecting wiring, conduit and a suitable service to the power leaf shall be by the electrical contractor. All electrical shall be 48″ above the floor.

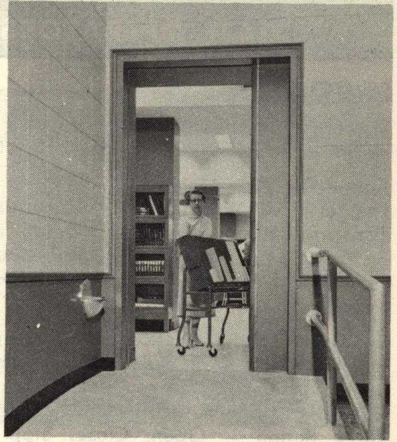
WEATHERING: Weathering shall consist of ⅛″ cloth-inserted rubber sheet of first quality natural rubber equal to U. S. Rubber Diaphragm Sheet #509. This shall be applied to laps and sill in single flap form. Weathering at the head shall be 18 gauge galvanized steel bolted to the door and bent to close the space between door and top guides.

ACCESSORIES: Included are a pass door with electrical inter lock in each power leaf.

BY OTHERS: Bottom rails, top guides and installation thereof shall be by others but the work shall be inspected and approved by the architect and door contractor. Bottom rails shall be ASCE, 30 lbs. per yard.

HOSPITAL AND COMPUTER ROOM DOOR UNITS

Unit eliminates wasted space entirely by sliding into wall pockets. Actuated by elbow switches which are accessible to the shortest nurse or tallest doctor. These units are used as entrances to operating rooms, preoperating areas and surgical recovery rooms where fast, quiet and efficient door operation is absolutely necessary. Doors open at two feet per second and close at one foot per second. In case of power failure doors automatically disconnect from mechanism and can be used as manually operated units. When power is restored doors automatically revert back to power operation. A safety edge is provided so that when striking an obstruction they immediately reopen. Doors are hollow metal with stainless steel covering.



Computer room entrance at Saint Paul Fire & Marine Insurance Co., Saint Paul, Minnesota.

SPECIFICATIONS

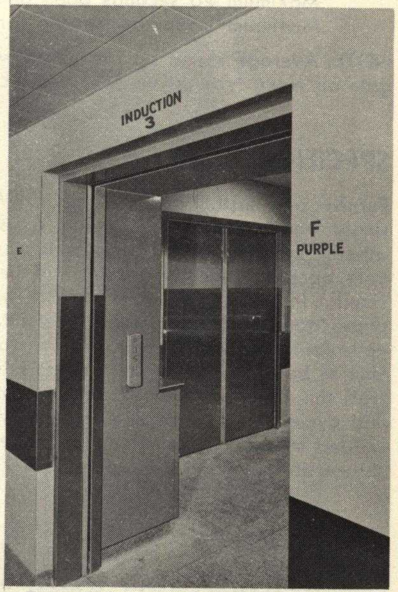
Furnish and install ELECTRIC DOORMAN hospital operating room bi-parting doors, hardware, and operators. Doors to be hollow metal covered with stainless steel kick plate or wainscoting both sides. Doors to operate at two feet per second to open, one foot per second to close. Doors reverse and open if they hit an obstruction. Unit is to be powered by adequately-sized gear reducing motors and electric slip clutches on 110 volt, single phase current. Doors must be free for manual operation in case of power failure. Doors must be quiet during operation.

SWINGING DOOR OPERATOR

For automatic operation of corridor doors, main entrance doors. See page 13 for description of ELECTRIC DOORMAN swinging door operators.

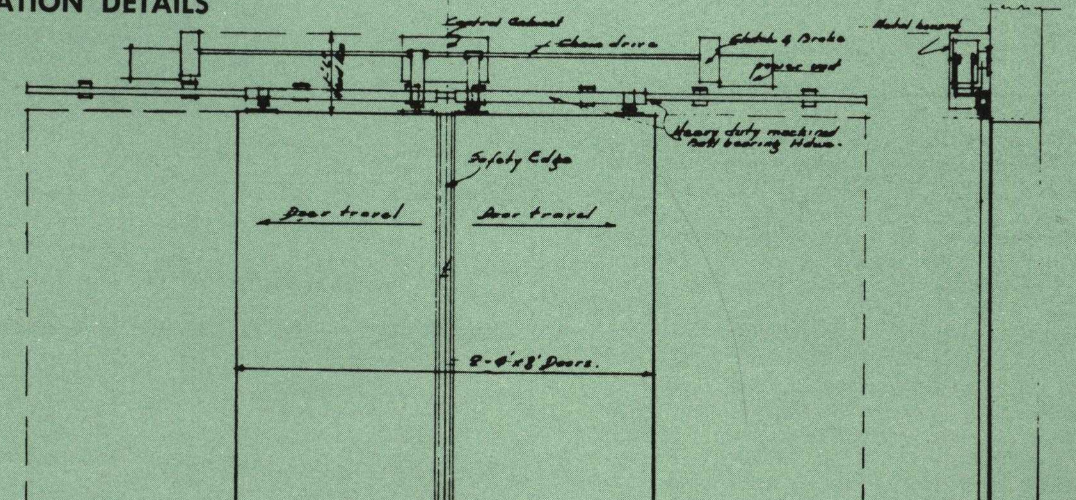
AMBULANCE ENTRANCE DOORS

Fast acting, dependable four fold doors as pictured on pages 4 and 5 with automatic or semi-automatic controls are a definite advantage on entrances to ambulance garages.



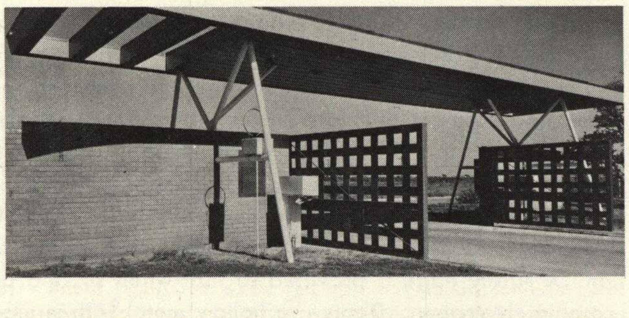
Two of 14 pairs of doors at Mayo Memorial Hospital operating rooms, University of Minnesota.

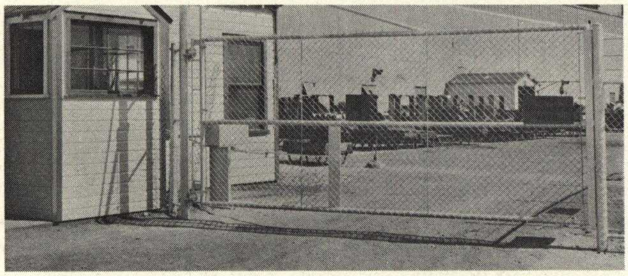
INSTALLATION DETAILS



GATE OPERATORS (Swing Type — Sliding Type)

SWITCHES





Standard: One Button (Toggle type) 3 and 4 way. Opens and closes — instantly reversible — No stop. Models 1 and 1A.

Radio Controls: One Button (Push or Start type). Momentary contact used with ratchet relay for radio control (Perma Power) FCC approved instantaneous transmission 200 feet. Two tubes receiver, 1 transmitter, all same tube, comes complete with service manual, interchangeable frequencies. Quick transfer to new car; transmitter comes 6 or 12 volt.

Special Controls: (See Page 15). Key post switch, ground trip, pull cord, or electric eye also use same two wire switch system as above. Two Button — Open, Close: Constant pressure stops when finger is removed, instantly reversible. Models 2 and 2A. Three Button — Open, Close, Stop — Momentary Contact Model 3, 4, 5.

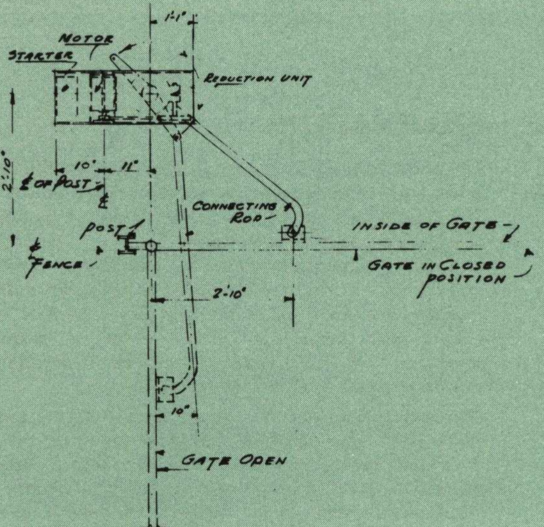
Speed Minimum 10 seconds open or close } Swinging Gates
Maximum 20 seconds open or close }
Maximum 1 foot per second for sliding gates

NOTE: Average speed set for normal walking speed at end of gate on swing type or one foot per second on sliding type.

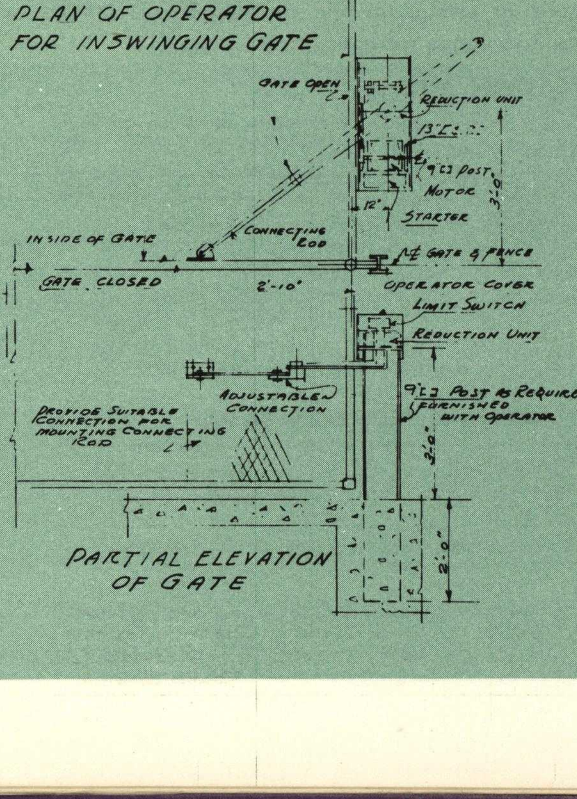
SPECIFICATIONS:

Furnish and install ELECTRIC DOORMAN gate operator for single or double leaf swinging or sliding gates (gates by others). ELECTRIC DOORMAN unit must be of proper size for gate opening specified. Unit shall be powered by properly-sized. Instantly reversible, double wound motor for single phase operation. Electrically reversible with heavy duty magnetic contactor and thermal overload for three phase operation. Unit to be operated by controls as selected (see types of controls this page). All units to be instantly reversible if tripped mid cycle. Unit to come complete with 2 back to back 9″ welded mounting channels (must be set in concrete exactly as shown on installation detail), weather resistant 18 gage steel galvanized cover, must have self-locking worm and gear, immersed in all weather lubricant, shafts sealed against leakage and where required ball bearing alignment bearings. Each unit must have rotary type limit switches which when once set control gate accurately. All exposed parts to be rust-resistant. When desired unit is provided with lock unit which releases arm from gate in case of power failure. Unit to be tamper proof from outside gate. Vertical mounting bar, only part not furnished, to be connected to gate by gate manufacturer and varies on each gate. See photo of single swing 18′ gate this page.

INSTALLATION DETAILS



PLAN OF OPERATOR FOR
OUT. SWINGING GATE



PEDESTRIAN AND DOOR OPERATORS

The new improved ELECTRIC DOORMAN pedestrian door operator is the only all-electric door opening device of its kind. Designed, engineered and produced by a manufacturer of automatic door operators since 1923. It is a silent, sturdy and maintenance free of quality construction. Because it is an all electric, self-contained unit, there are no hydraulic lines, pumps or pressure tanks to complicate the installation. Everything is enclosed in one operator housing located either in the floor or at the door head. The all electric ELECTRIC DOORMAN pedestrian door operator is highly adaptable for use in grocery, drug, and department stores, computer rooms, hospitals, terminal building entrances, office buildings, plants, rest rooms or wherever there are large amounts of pedestrian traffic.

FEATURES OF THE ELECTRIC DOORMAN PEDESTRIAN DOOR OPERATOR

Appearance: Complete operator unit concealed in the floor or mounted over the door results in an absence of unsightly lines, space wasting tanks or compressors.

Convenience: Automatic disconnect from power unit allows manual operation in event of power failure. Unit automatically reverts back to power operation when power is restored.

Safety: Operator has incorporated safety features to protect persons, goods, grocery carts, and doors. Doors operate at a smooth constant speed and have adjustments for varying the driving force for both open and close. Doors will not operate when treadle is depressed on outswing side of door. Guide rails are available to help route traffic.

Versatility: This unit is available for either in-the-floor or over-the-door mounting requiring no additional door frame reinforcing. The only requirement being *115 volt current* to the operator location.

Instead of using springs the door operator drives the door closed the same as it does when opening. This assures positive closing regardless of wind or draft conditions.

Quality and Engineering: The ELECTRIC DOORMAN pedestrian operator is not affected by temperature extremes and will operate from —40°F. to +120°F. Adjustable driver limit switches are readily accessible. All components are of highest quality and have proven their reliability through long and dependable service.

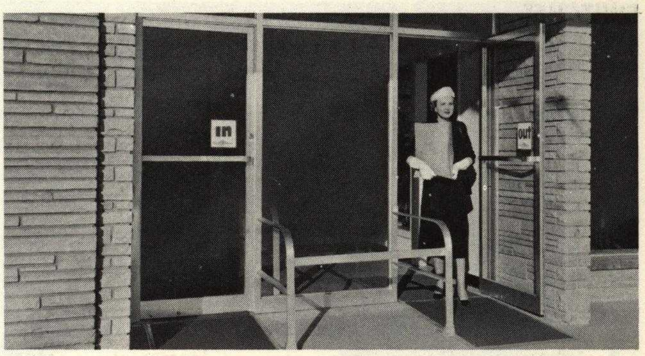
OVERHEAD OPERATOR UNIT

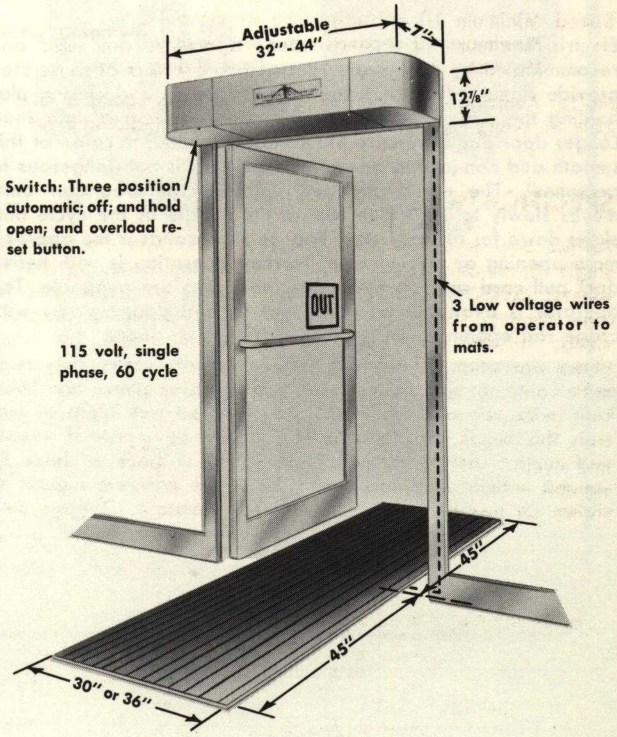
The overhead type operator is designed to work equally well in existing construction where installation of a concealed unit is not practicable or in new work. Its neat and attractive appearance does not detract from the decor of the area.

Mats: Either 30 or 36 inch mats may be specified. Special sizes available at extra cost.

ELECTRIC DOORMAN SELECTION TABLE

THRESHOLD UNIT This unit is available only for center hinge or offset hinge		OVERHEAD UNIT For all types of hinges	
MODEL	SWING	MODEL	SWING
EDT-C	Clockwise	EDO-C	Clockwise
EDT-CC	Counter Clockwise	EDO-CC	Counter Clockwise
EDT-OC	Offset Pivot Clockwise	EDO-OC	Out Swing Clockwise
EDT-OCC	Counter Clockwise	EDO-OCC	Out Swing Counter Clockwise




Adjustable 32"-44"
7"
12⅞"
Switch: Three position automatic; off; and hold open; and overload reset button.
OUT
3 Low voltage wires from operator to mats.
115 volt, single phase, 60 cycle
45"
45"
30" or 36"

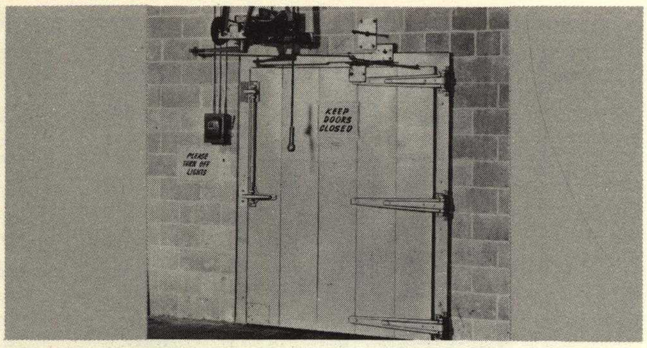
SPECIFICATIONS

General: Furnish and install ELECTRIC DOORMAN all electric pedestrian door operators as manufactured by Electric Power Door Co., Inc., 2127 East Lake Street, Minneapolis 7, Minnesota. Operators to be Model No.   for (floor/overhead) mounting. Operator shall be completely self-contained, requiring no remote pumps, compressors, hydraulic or pneumatic tubing; and shall automatically disconnect in case of power failure and reconnect when power is restored, shall be provided with hold open-off-automatic toggle switch, motor overload reset and actuating mats.

Operator: Each operator shall consist of one electrically-driven motor unit with positive, constant speed drive in both directions and metal threshold case for below floor mounting or operator cover if used for overhead mounting. Operators shall be complete in all respects including controls, hangers, and anchors.

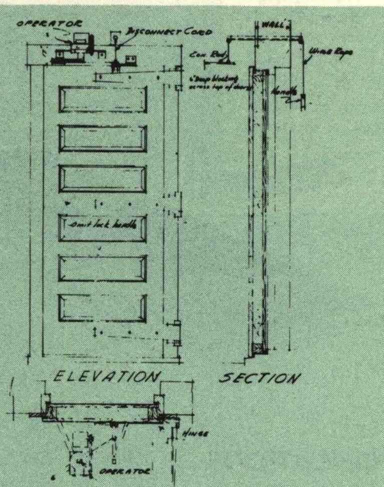
Controls: ELECTRIC DOORMAN operators shall be actuated by means of (treadles/elbow switches/push buttons/electric eyes) which, in turn shall be installed in accordance with drawings and directions as furnished by the manufacturer.

REFRIGERATOR DOORS



Model 6080 Electric DOORMAN operator for cooler door—
Red Owl Warehouse, Green Bay, Wisconsin

Electric Doorman refrigerator door operators are used and recommended by refrigerator door manufacturers because they provide smooth, fast, and non-violent opening and closing plus holding the door rigid against the jamb creating a tight seal. Longer door and hardware life can be expected because of this smooth and non-jarring operation, and also is not dangerous to personnel. The door equipped with Electric Doorman units moves slowly to start then fast at the middle of the cycle and slows down for an easy stop. Four to six seconds is the approximate opening or closing time. Normal operation is with heavy duty pull cord controls although other types are available. The operator is available also for dual lapped doors, doors with crane rail openings, and sliding refrigerator doors.

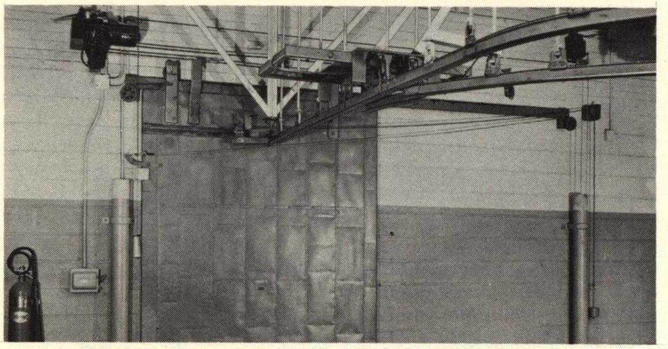


SPECIFICATIONS

Furnish and install ELECTRIC DOORMAN operator as required to be mounted above the overlapping pair or single swing refrigerator door. ELECTRIC DOORMAN operators to be operated on 208 volt, single or three phase current, with motor of sufficient size to open or close doors against 30 P.S.F. wind pressure without noise or vibration. Operator manufacturer to provide door fabricator with detail of reinforcing timber to be provided by them across inside of door for door arm connection. The door equipped with ELECTRIC DOORMAN unit moves slowly to start, faster at the middle of the cycle, then slows down to a non-jarring stop. Door must then be automatically locked with sufficient pressure to seal door. Provide emergency manual disconnect from inside of freezer. ELECTRIC DOORMAN unit to be instantly reversible with ball bearing motor, manual overload reset, adjustable slip clutch and positively adjusted rotary type limit switch. Worms and gears to be immersed in all-weather lubricant which will not freeze.

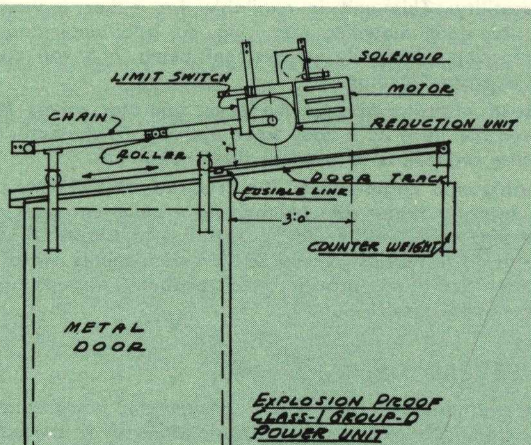
Normal operation to be with Model 6 heavy duty pull cord switches to be installed by electrician.

SLIDING FIRE DOOR OPERATOR



Minnesota, Mining Class A—sliding fire door,
Bristol, Penn.

Class A Fire doors present a problem since Underwriters won't permit power operation. Usually our ELECTRIC DOORMAN unit will be approved since it never interferes with fusible link. Power opening and closing is always more economical and allows uninterrupted flow of traffic. Actuated by heavy-duty pull cord switches. Unit can be also provided explosion proof. Easy to install, it fits all standard fire doors.

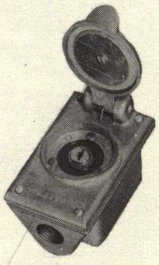


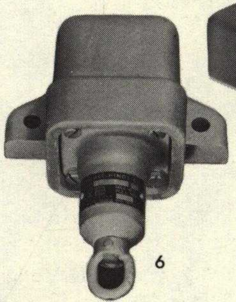
SPECIFICATIONS

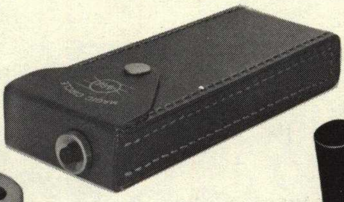
Furnish and install ELECTRIC DOORMAN A-Label sliding door operator with automatic disconnect clutch with Model 6 pull cord switch for both sides of opening. Current to be 110, 220, or 440, single or three phase as required (explosion proof if required). Motor and gear reducing unit to be of adequate size and horsepower to move door at 1 ft. per second to open or close. Normal operation — Open, Close, Open — No stop. Unit to be provided with slip clutch and rotary type limit switch, easily adjusted.

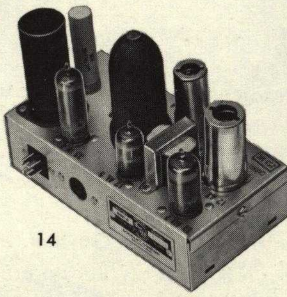
Controls

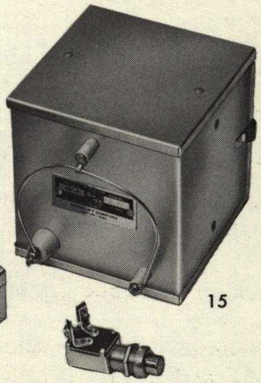
Controls illustrated below are a few of many offered by the Electric Power Door Co., Inc., to actuate and operate all units described in this catalog. All controls can be obtained explosion proof or dust tight — Class 1, Group D. Currents shown are those recommended. Switches can be adapted to all currents and phases. If the type required for your purposes is not listed or illustrated please contact representative.

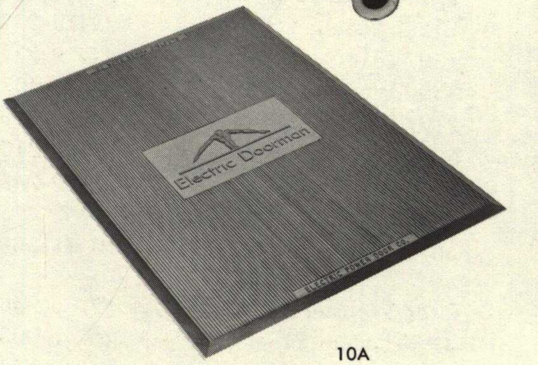

1D


6

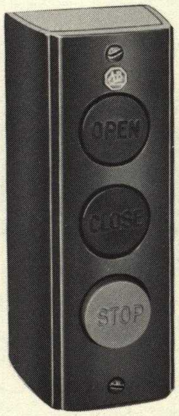

16


14

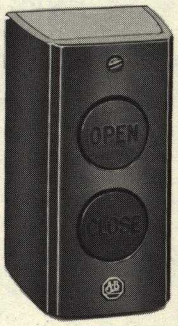

15



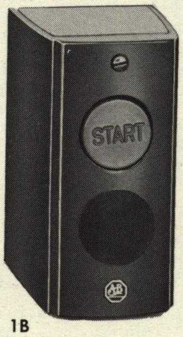
10A



3



2



1B

MODEL NUMBER	SWITCH NUMBER AND TYPE CONTROL	CURRENT	PHASE
1B	1 button momentary contact (inside)	115-230	S or 3Ø
1C	1 button weatherproof M/C (outside)	115-230	S or 3Ø
1D	1 button key post weatherproof M/C	115-230	S or 3Ø
2	2 button constant pressure, 2 button momentary contact, open close	115-230-440-550	S or 3Ø
2A	Same as 2 weatherproof	115-230-440-550	S or 3Ø
3	3 button momentary contact (inside) open, close, stop. Constant pressure close, if desired	115-230-440-550	S or 3Ø
4	3 button weatherproof key switch	115-230-440-550	S or 3Ø
5	3 button weatherproof momentary contact, same as 3	115-230-440-550	S or 3Ø
6	Pull cord switch, heavy-duty, weatherproof, momentary contact	115-230-440-550	S or 3Ø
7	Elbow operated hospital wall switch M/C	115-230 or low volt.	S or 3Ø
9	Safety Edge — 2 required	Low Voltage	S or 3Ø
10	Magnetic ground trip — not recommended where ice or snow accumulate	Low Voltage	S or 3Ø
10A	Ground trip — all weather use	Low Voltage	S or 3Ø
11	Light source	115-230 or low volt.	S or 3Ø
12	Electric eye	115-230	S or 3Ø
14	Radio receiver	115	S or 3Ø
14A	Antennae	115	S or 3Ø
15	Radio transmitter*	6 or 12 volt battery	S or 3Ø
16	Transmitter dash switch for car — bracket mounted	6 or 12 volt battery	S or 3Ø

*NOTE: When used on electric fork lift trucks, one cell of battery provides current.

Sales and Service . . . wherever you may be

The Electric Power Door Company, Inc. has been in the business of power door operation for over 35 years and we pride ourselves in the earned reputation of standing behind our products wherever and whenever sold. On a furnished and installed basis, we offer a one year written guarantee against all workmanship and defective material. To further assure our intentions, we offer a 24-hour service policy to all our customers anywhere within the continental United States.

The Electric Power Door Company, Inc. has at your disposal a full time engineering department to answer your questions and to solve your special door problems, from 500'0 hangar door openings to residential door operators.

Sales and service in principal cities throughout the United States. However, if you fail to locate a representative in your area do not hesitate to write or call factory collect.

Special door applications are our business, but never overlook the fact we can supply all standard type door and power operators.

REPRESENTATIVES

STATE	CITY	NAME	ADDRESS	PHONE
Alabama	Montgomery 2	Morton Sales Co., Inc.	P.O. Box 814	AM 2-4877
California	Hollywood	Electric Power Door Co. (West Coast Branch Office)	5823½ Sunset Blvd.	HO 4-5115
Canada, Quebec	Montreal 23	Ambassador Mfg. Co.	1102 Victoria St., St. Lambert	OR 1-1917
Georgia	Atlanta	Gilsteel, Inc.	2720 Apple Valley Rd.	CE 3-6779
Illinois	Chicago 3	Burton Bruckman & Co., Inc.	135 S. LaSalle St.	AN 3-5220
Illinois	River Forest	Electric Door Control Co.	7707 Lake St.	FO 9-5230
Maryland	Baltimore 27	Yankee Engineering Co., Inc.	3500 Washington Blvd.	CI 7-0070
Minnesota	Minneapolis	Electric Power Door Co., Inc.	2127 E. Lake St.	PA 2-6685
Missouri	Kansas City 30	Truog-Nichols Distributing Company	5001 E. 59th St.	DE 3-2100
Montana	Billings	E. R. Young Company	P.O. Box 1768	AL 9-2463
Nebraska	Omaha	Crawford Door Sales Co.	1122 North 19th St.	WE 7262
New York	Buffalo 11	Crawford Door Sales of Buffalo, Inc.	587 Winslow Avenue	FI 3800
New York	New York 57	Automatic Doorman of N. Y.	2034 Webster Avenue	CY 5-9400
New York	Rochester 7	The Maurer Company, Inc.	31 Richmond Street	HA 6-0030
New York	Syracuse 5	B. R. Johnson & Son, Inc.	5900 S. Salina St.	HO 9-3244
Pennsylvania	Allentown	Crawford Door Sales Co.	213 S. 16th Street	HE 5-3731
Pennsylvania	Scranton	Crawford Door Sales Co.	313 Mulberry Street	DI 2-9231
Pennsylvania	Philadelphia 3	Victor C. Smith, Inc.	1717 Sansom Street	LO 7-5377
Rhode Island	Providence	G. Fred Swanson	618 Cranston Street	GA 1-0788
South Carolina	Greenville	J. Edgeworth Beattie Co., Inc.	106 Masonic Temple P.O. Box 82	CE 3-1721
Tennessee	Memphis 5	Dillard Door Company	632 Court	JA 5-1691
Texas	Dallas	W. Donald Box Company	4515 Prentice Street Room 101	EM 8-8827
Texas	San Antonio	Lee Garison Company	416 Cornell Street	PE 5-5247
Washington	Seattle 9	Power Door Engineering	1158 East Lake Avenue	MA 4-1576

If there is not a representative or distributor in your locality, write or call factory collect.

DISTRIBUTED BY

Electric Doorman®

**ELECTRIC
POWER
DOOR CO., INC.**

2127 East Lake St.
Minneapolis 7, Minn.
PArkway 2-6685

PRINTED IN USA

Digitized by:

INTERNATIONAL

ASSOCIATION
FOR
PRESERVATION
TECHNOLOGY,
INTERNATIONAL
www.apti.org

BUILDING
TECHNOLOGY
HERITAGE
LIBRARY

https://archive.org/details/buildingtechnologyheritagelibrary

From the collection of:

Carol J. Dyson, AIA